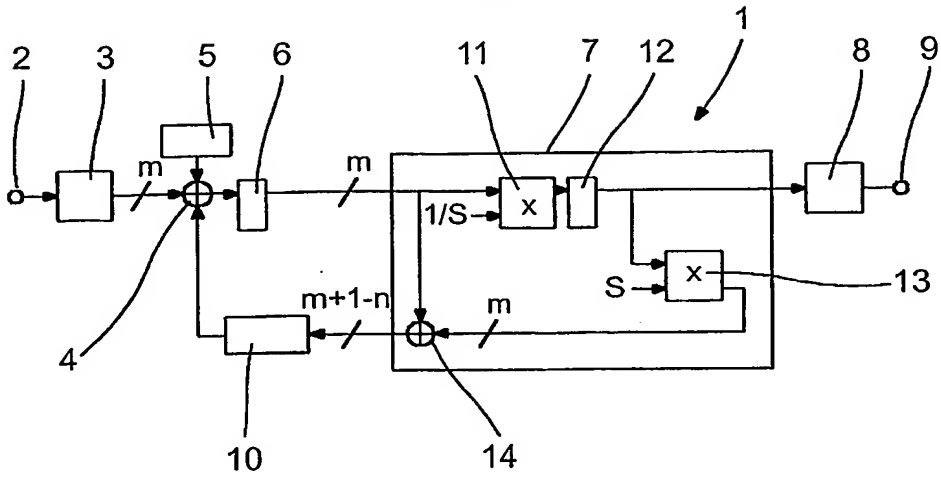

FIG.1

x-1 , y-1	x , y-1	x+1 , y-1
x-1 , y	x , y	

FIG.2

1/16	5/16	3/16
7/16	x , y	

FIG.3

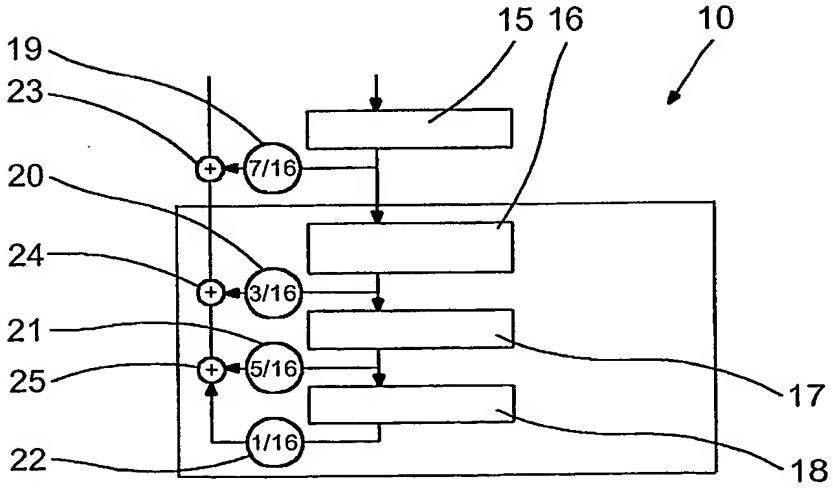

FIG.4

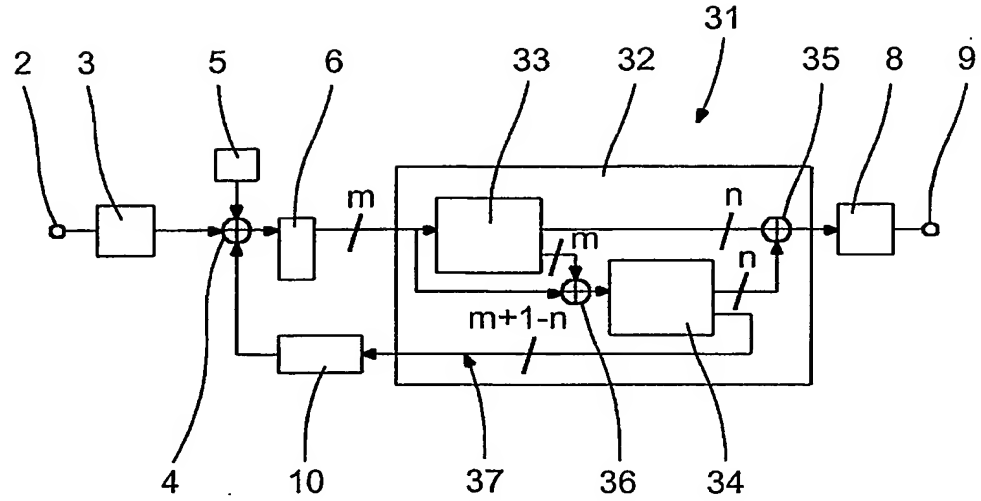
31
2
3
5
6
33
32
35
8
9
m
n
m
n
m+1-n
4
10
37
36
34

FIG.5

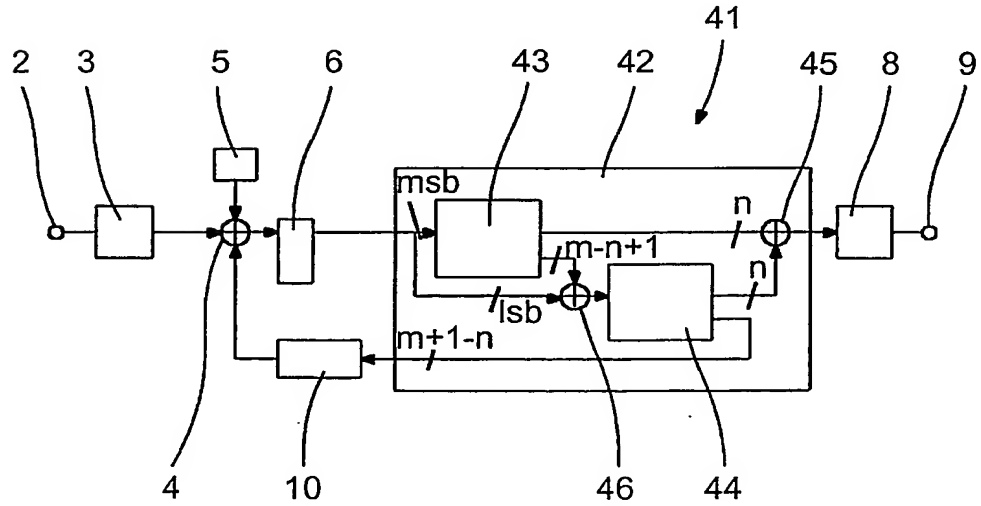
41
2
3
5
6
43
42
45
8
9
msb
n
m-n+1
n
lsb
m+1-n
4
10
46
44

FIG.6

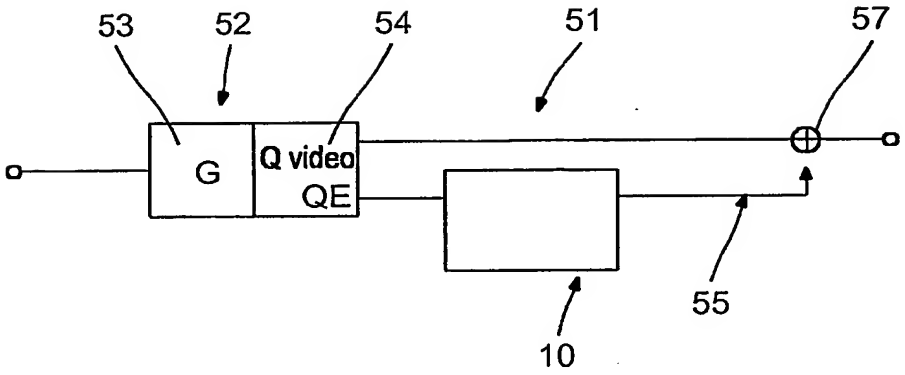
53
52
54
51
57
G
Q video
QE
55
10

FIG.7

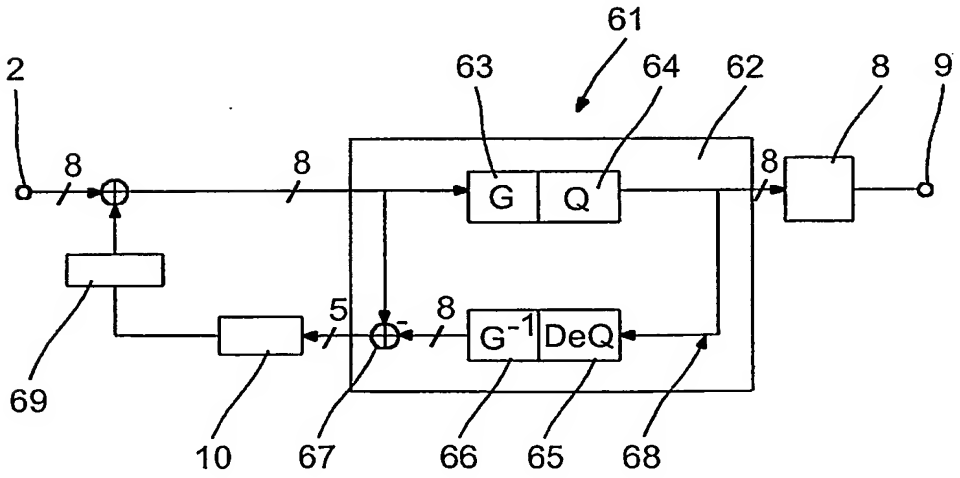
61
2
63
64
62
8
9
8
8
8
G
Q
5
8
G^{-1}
DeQ
69
10
67
66
65
68

FIG.8

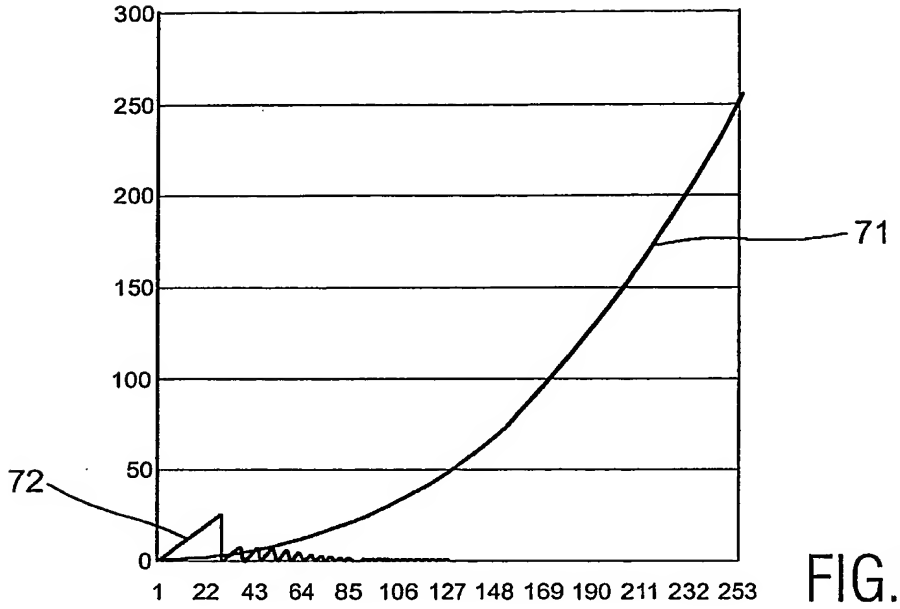
300
250
200
150
100
50
0
1 22 43 64 85 106 127 148 169 190 211 232 253
71
72

FIG.9

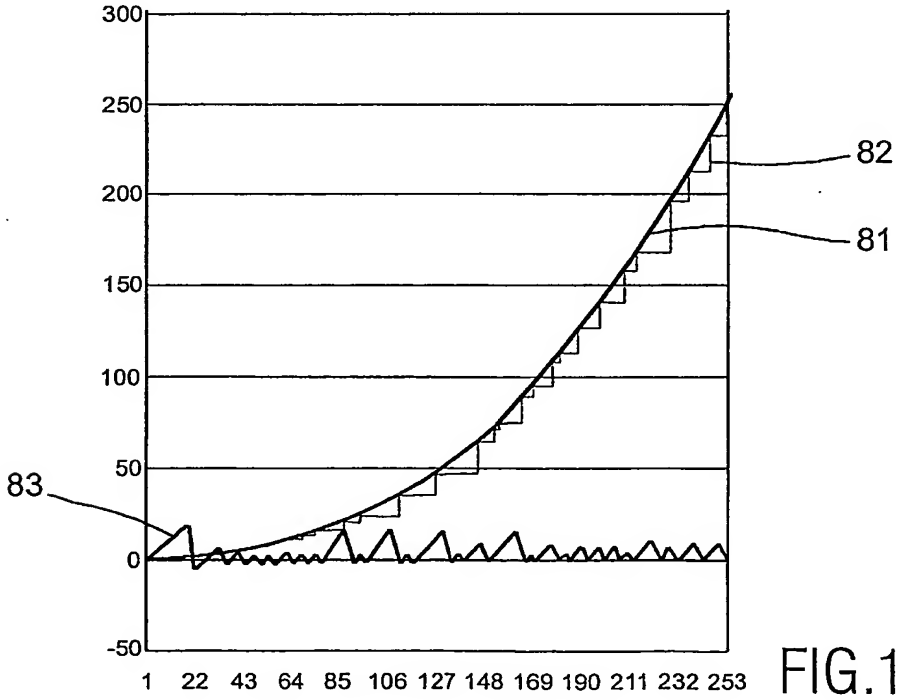
300
250
200
150
100
50
0
-50
1 22 43 64 85 106 127 148 169 190 211 232 253
82
81
83

FIG.10

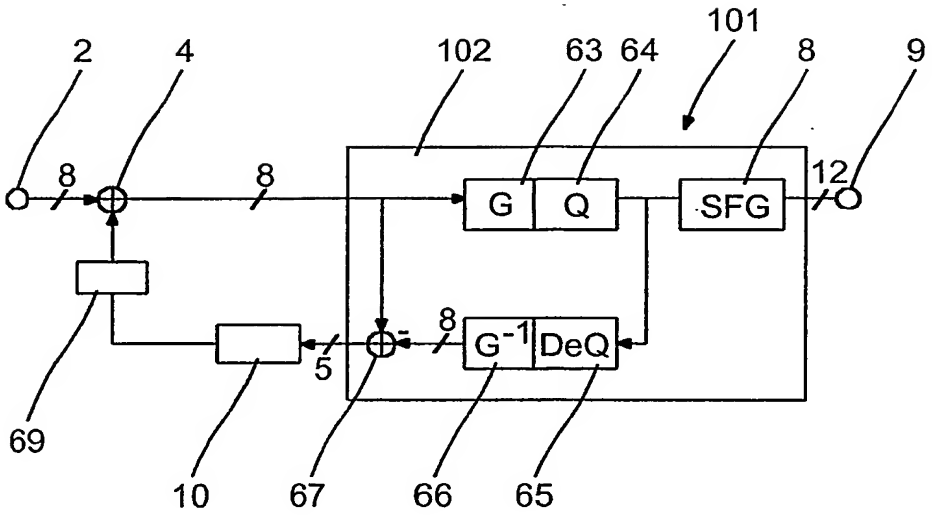
2
4
102
63
64
101
8
9
8
8
G
Q
SFG
12
8
G-1
DeQ
5
69
10
67
66
65

FIG.11

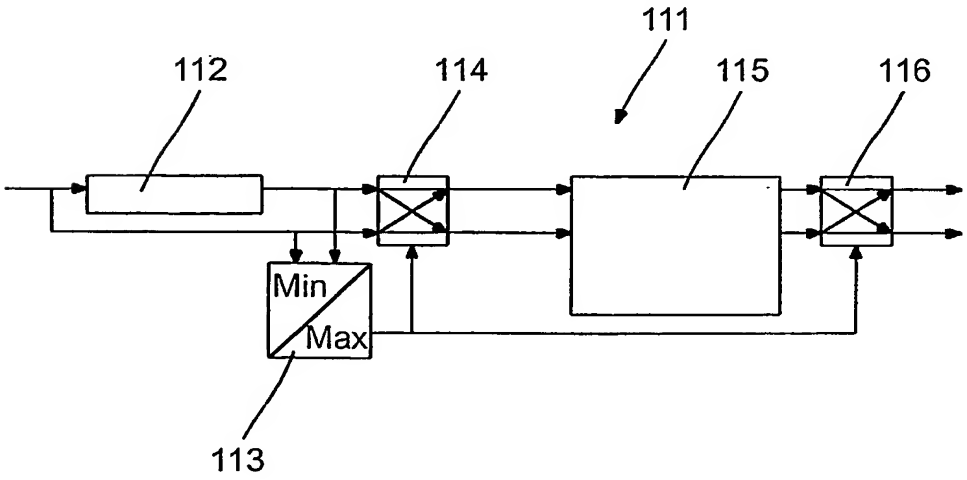
111
112
114
115
116
Min
Max
113

FIG.12

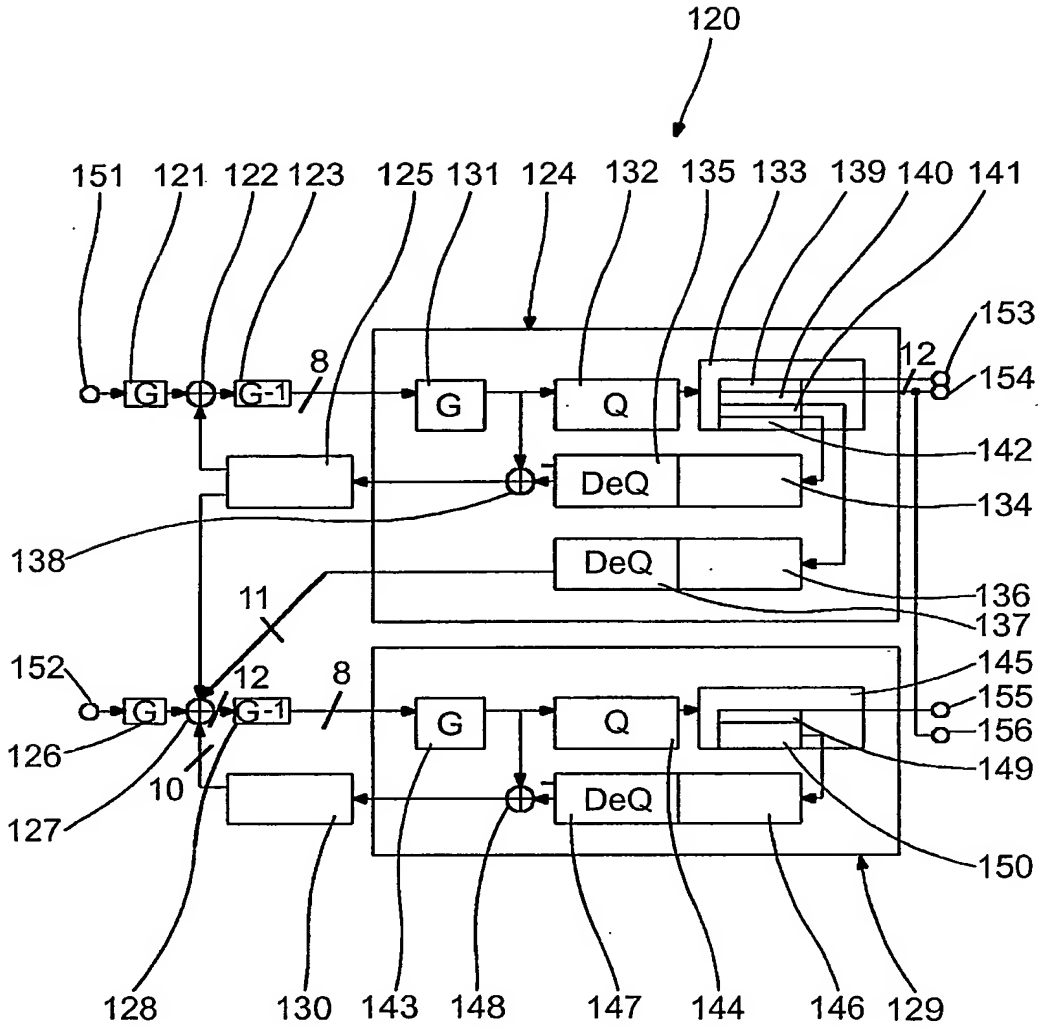
120
151
121
122
123
125
131
124
132
135
133
139
140
141
153
154
12
8
G
G-1
Q
DeQ
142
134
138
136
137
11
152
145
155
156
126
149
10
127
150
128
130
143
148
147
144
146
129

FIG.13

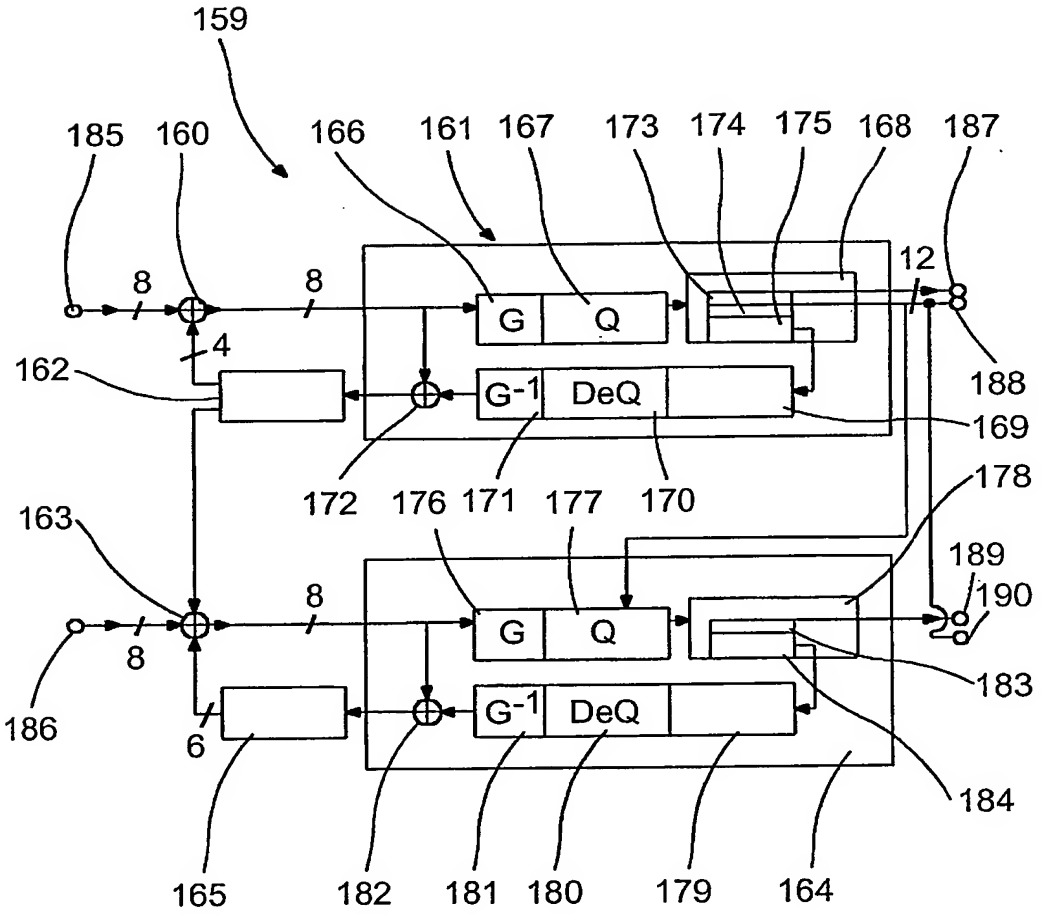
159
185
160
166
161
167
173
174
175
168
187
12
8
8
8
G
Q
4
162
G-1
DeQ
188
169
172
176
171
177
170
178
163
189
190
8
8
G
Q
183
186
6
G-1
DeQ
184
165
182
181
180
179
164

FIG.14

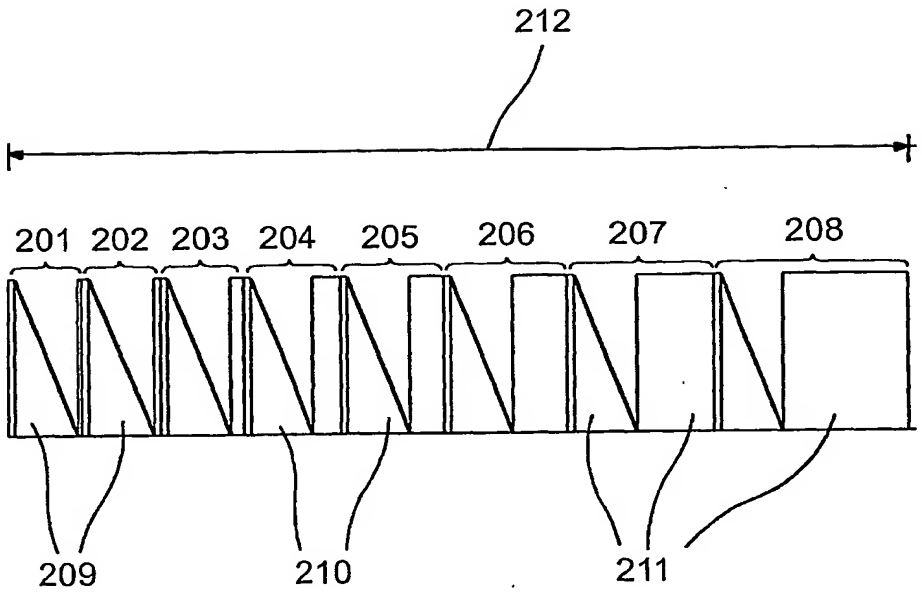

FIG.15

FIG.16